

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

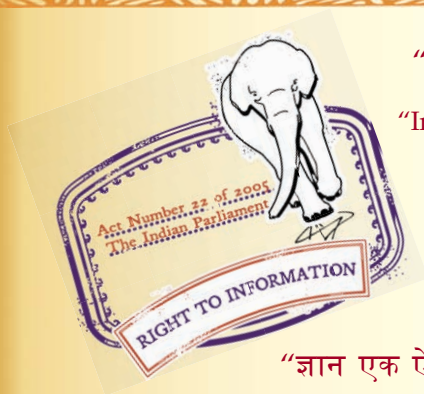
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10409 (1983): Purchaser's data sheet for rotary type dryer [MED 17: Chemical Engineering Plants and Related Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

PURCHASERS DATA SHEET FOR ROTARY TYPE DRYER

1. Scope — Covers the technical data required for thermal rating and mechanical design of rotary type dryers.

2. Data Sheet

PURCHASER'S DATA SHEET FOR ROTARY TYPE DRYER

1. Type

2. Material to be Dried (in detail)

	<i>Units</i>	<i>Inlet</i>	<i>Outlet</i>
Throughput			kg/h
Temperature			°C

3. Material characteristics:

- i) Chemical composition
pH/Chloride/Sulphide content, if any
- ii) Bulk densityg/cc
- iii) Particle densityg/cc
- iv) Particle size distribution
- v) Total moisture, % wt (dry basis)
- vi) Occluded moisture, % wt (dry basis)
- vii) Maximum allowable temperature°C
(without causing chemical degradation)
- viii) Equilibrium moisture curve, that is,
time *versus* % wt moisture in product
at different relative humidities

4. Characteristics of volatile matter to be removed:

- i) Material
- ii) Inflammable/Non-flammable
- iii) Densityg/cc
- iv) Specific heat kcal/kg °C
- v) Latent heatkcal/kg
- vi) Viscositycp

5. Medium for drying:

Pressuremm water

Drying capacity kg/h

(Contd)

PURCHASER'S DATA SHEET FOR ROTARY TYPE DRYER—Contd.

Temperature°C

Humidity% weight_a

Minimum pressure of makeupkg/cm

Temperature of makeup°C

6. Heating medium (steam, etc):

<i>Unit</i>	<i>In</i>	<i>Out</i>
	(for non-condensable fluid)	

Operating pressure kg/cm² gDesign pressure kg/cm² g

Operating temperature (max) °C

Design temperature °C

7. Material of construction

i) Parts in contact with product

ii) Parts in contact with carrier gas

iii) In case of coating or plating on carbon steel:

C content in(grade)

8. Drier mounting:

Drier installed in open roomYes/No

Connections:.....Inlet steam ...

Outlet condensate ..

Inlet (fluid).....

Outlet (fluid)

9. Class of electrical equipments:**10. Electric supply .. kW****EXPLANATORY NOTE**

The information given by a purchaser according to this data sheet will enable a manufacturer or supplier to assess the exact requirements of the purchaser and recommend to him the most suitable type of equipment.